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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/578,461	05/08/2006	Clemens Schwab	510.1157	2110
23280 7590 06/02/2009 Davidson, Davidson & Kappel, LLC			EXAMINER	
485 7th Avenue			ONEILL, KARIE AMBER	
14th Floor New York, NY 10018			ART UNIT	PAPER NUMBER
			1795	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	
10/578,461	SCHWAB, CLEMENS	
Examiner	Art Unit	

The MAILING DATE of this communication appears of	n the cover sheet with the correspondence address
THE REPLY FILED <u>15 May 2009</u> FAILS TO PLACE THIS APPLICAT	ION IN CONDITION FOR ALLOWANCE.
application in condition for allowance; (2) a Notice of Appeal (wi for Continued Examination (RCE) in compliance with 37 CFR 1.	s: (1) an amendment, affidavit, or other evidence, which places the th appeal fee) in compliance with 37 CFR 41.31; or (3) a Request
no event, however, will the statutory period for reply expire later that	Action, or (2) the date set forth in the final rejection, whichever is later. In
Extensions of time may be obtained under 37 CFR 1.136(a). The date on which have been filed is the date for purposes of determining the period of extension under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shorten set forth in (b) above, if checked. Any reply received by the Office later than the may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  NOTICE OF APPEAL	and the corresponding amount of the fee. The appropriate extension fee ed statutory period for reply originally set in the final Office action; or (2) as
<ol> <li>The Notice of Appeal was filed on A brief in compliance filing the Notice of Appeal (37 CFR 41.37(a)), or any extension t Notice of Appeal has been filed, any reply must be filed within the AMENDMENTS</li> </ol>	thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a
3. The proposed amendment(s) filed after a final rejection, but price (a) They raise new issues that would require further considers (b) They raise the issue of new matter (see NOTE below); (c) They are not deemed to place the application in better for	ation and/or search (see NOTE below);
appeal; and/or (d) ☐ They present additional claims without canceling a corres  NOTE: (See 37 CFR 1.116 and 41.33(a)).  4. ☐ The amendments are not in compliance with 37 CFR 1.121. Se	
5. Applicant's reply has overcome the following rejection(s):	e attached Notice of Non-compliant American (1 102-324).  e if submitted in a separate, timely filed amendment canceling the
7.  For purposes of appeal, the proposed amendment(s): a)  will how the new or amended claims would be rejected is provided to the status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) rejected: 5-14. Claim(s) withdrawn from consideration:	
AFFIDAVIT OR OTHER EVIDENCE	
was not earlier presented. See 37 CFR 1.116(e).	cient reasons why the affidavit or other evidence is necessary and
9. The affidavit or other evidence filed after the date of filing a Noti entered because the affidavit or other evidence failed to overcol showing a good and sufficient reasons why it is necessary and was a sufficient reasons.	me <u>all</u> rejections under appeal and/or appellant fails to provide a
10. ☐ The affidavit or other evidence is entered. An explanation of th REQUEST FOR RECONSIDERATION/OTHER	,
11. The request for reconsideration has been considered but does See Continuation Sheet.	
<ul> <li>12. ☐ Note the attached Information <i>Disclosure Statement</i>(s). (PTO/S13. ☐ Other:</li> </ul>	SB/U8) Paper No(s)
/Karie O'Neill/ AU 1795	/Mark Ruthkosky/ Primary Examiner, Art Unit 1795

Continuation of 11. does NOT place the application in condition for allowance because: Applicants arguments submitted on May 15, 2009, are not persuasive. Applicant argues that "Honda et al. in no way discloses the requirement of claim 5 of "an adsorption accumulator assigned to the fuel cell unit and forming a heat store adapted to release heat when adsorbing the fuel cell waste products. Honda et al. completely fails to teach or disclose such a relationship between fuel cell 2 and adsorber 5 and does not even mention any use at all for waste products of fuel cell 2."

Honda et al. discloses in paragraph 0020, the adsorber (5) being assigned to the fuel cell (2) and forming a heat store in heat exchange section (51) which is thermally connected to the adsorption accumulator (5). It is also noted that the phrase "adapted to release heat when adsorbing the fuel cell waste products" is considered functional language which imparts intended use to the structural features of the claim. Therefore, the claim is rejected with regard to the structural limitations of the adsorption accumulator and no patentable weight is given to the "adapted to" limitations.

Applicant argues that "Honda et al. not disclose the requirements of claim 5 of "a first line connected to the fuel cell unit discharging the fuel cell waste products from the fuel cell unit" and "a second line connecting the first line to the adsorption accumulator for feeding the fuel cell waste products to the adsorption accumulator." The Office Action does not even attempt to point out in Honda et al. where the "first line" or the "second line" of claim 5 are disclosed in Honda et al."

The terms "first line" and "second line" are broad limitations that are met by the prior art. MPEP 2106 states, the Examiner is to give claims their broadest reasonable interpretation in light of the supporting disclosure. In the office action it is noted that the "first line" is connected from the fuel cell (2) to pump (40) and the "second line" is the line that continues from pump (40) to the adsorber (5). The fuel cell waste is the water that is generated by the reactants in the fuel cell and is later pumped out of the fuel cell by pump (40) and flows into the adsorber (52) of the adsorber (5) (paragraphs 0018-0019).

Applicant argues that the limitations discussed above are structural limitations; i.e., the adsorption accumulator "adapted to release heat when adsorbing the fuel cell waste products," the first line, and second line.

These structural limitations have been discussed in the office action dated March 23, 2009 on page 3 and in the paragraphs above.

Applicant argues that, "the three-way-type selector valve 41, which the Office Action alleges corresponds to the "actuator" of claim 12, is a part of hydraulic circuit A of Honda et al. and thus is in no way adapted to interact with the claimed "first line" and the "second line" as required by claim 12."

As stated above, that the "first line" is connected from the fuel cell (2) to pump (40) and the "second line" is the line that continues from pump (40) to the adsorber (5). The three-way valve (41) is located between the fuel cell (2) and the adsorber (5) and interacts with the "first line" and the "second line", as required by the claim limitation.

Applicant argues that "the three-way-type selector valve 42, which the Office Action alleges corresponds to the "second actuator" of claim 13, is adapted to pass heat exchanging fluid from heat exchanging part 51 to fuel cell 2 and thus is not arranged with the claimed system as required by claim 13."

The intended use of the structural features of the claims are not given patentable weight. Therefore, the three-way-type selector valve (42), which acts as a second actuator, is present in the fuel cell system, as required by the claims.

Finally, it is respectfully submitted by Applicant that, "Honda et al. does not disclose the step of claim 7 of "when the fuel cell system is starting up, heating coolant in the cooling circuit via the heat exchanger using heat stored in the adsorption accumulator, with the fuel cell waste products being fed to the adsorption accumulator at the same time, the fuel cell waste products including waste gas." Honda et al. in no way discloses feeding any waste products from fuel cell 2 to adsorbed 5. As discussed above with respect to the corresponding apparatus claim, Honda et al. does not even mention any use at all for waste products of fuel cell 2."

As stated above, the waste product being fed from the fuel cell (2) to the adsorber (5) is the water generated by the reactants of the fuel cell and is later pumped out of the fuel cell by pump (40) and flows into the adsorbent chamber (52) of the adsorber (5) (paragraphs 0018-0019)...